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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/602,977	06/24/2003	Shinobu Isobe	5328-13	2044
27799 75	590 06/17/2004		EXAMINER	
COHEN, PONTANI, LIEBERMAN & PAVANE 551 FIFTH AVENUE			POTTER, ROY KARL	
SUITE 1210	ENUE		ART UNIT	PAPER NUMBER
NEW YORK, 1	NY 10176		2822	
			DATE MAILED: 06/17/2004	4

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	<u> </u>			
•	10/602,977	ISOBE, SHINOBU	Ø			
Office Action Summary	Examiner	Art Unit	<u> </u>			
	Roy K Potter	2822				
The MAILING DATE of this communication Period for Reply	n appears on the cover she t with	th correspondence address	s			
A SHORTENED STATUTORY PERIOD FOR RI THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CF after SIX (6) MONTHS from the mailing date of this communication - If the period for reply specified above is less than thirty (30) days, - If NO period for reply specified above, the maximum statutory - Failure to reply within the set or extended period for reply will, by some any reply received by the Office later than three months after the rearned patent term adjustment. See 37 CFR 1.704(b).	ON. FR 1.136(a). In no event, however, may a regon. a reply within the statutory minimum of thirty eriod will apply and will expire SIX (6) MONT statute, cause the application to become ABA	oly be timely filed (30) days will be considered timely. HS from the mailing date of this commur NDONED (35 U.S.C. § 133).	nication.			
Status						
1) Responsive to communication(s) filed on	25 March 2004.					
_	This action is non-final.					
, , , , , , , , , , , , , , , , , , , ,	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
4) □ Claim(s) 1-3 is/are pending in the applicat 4a) Of the above claim(s) 2 and 3 is/are wi 5) □ Claim(s) is/are allowed. 6) □ Claim(s) 1 is/are rejected. 7) □ Claim(s) is/are objected to. 8) □ Claim(s) are subject to restriction a	thdrawn from consideration.					
Application Papers						
9) The specification is objected to by the Example 10) The drawing(s) filed on is/are: a) Applicant may not request that any objection to Replacement drawing sheet(s) including the continuous The oath or declaration is objected to by the	accepted or b) objected to be the drawing(s) be held in abeyand orrection is required if the drawing(s	e. See 37 CFR 1.85(a). s) is objected to. See 37 CFR 1.				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) □ All b) □ Some * c) □ None of: 1. ☑ Certified copies of the priority documents have been received. 2. □ Certified copies of the priority documents have been received in Application No 3. □ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.						
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SI Paper No(s)/Mail Date	Paper No(s)	nmary (PTO-413) /Mail Date ormal Patent Application (PTO-152 _/ -·)			

Application/Control Number: 10/602,977

Art Unit: 2822

DETAILED ACTION

Election/Restrictions

Applicant's election without traverse of claim 1 is acknowledged.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

Claim 1 is rejected under 35 U.S.C. 102(a) as being anticipated by Grigg et al..

Grigg et al., U.S. Patent NO. 6,506,681, discloses a thin flip-chip. As shown in Figure 2B, a semiconductor baseboard 10 is ground, thinning the baseboard to remove a thickness 17a. Bumps 18 are located on the other surface of the baseboard.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Heo, U. S. Patent No. 6,091,141, discloses a bump chip scale package. As shown in Figures 1A - 1E, the package includes a semiconductor chip 10 having a principle surface on which gold bumps are formed.

Application/Control Number: 10/602,977

Art Unit: 2822

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Roy K Potter whose telephone number is 571 272 1842. The examiner can normally be reached on M-F.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Roy K Potter Primary Examiner Art Unit 2822